TOPIC: SMART PARKING

INDEX :

PROJECT DEVELOPMENT PART 2

CODE:

HTML (index.html):

html

<!DOCTYPE html>

<html>

<head>

<title>Smart Parking System</title>

<link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

<h1>Smart Parking System</h1>

<div class="parking-lot">

<div class="parking-space occupied"></div>

<div class="parking-space vacant"></div>

<!-- Add more parking spaces here -->

</div>

<script src="script.js"></script>

</body>

</html>

CSS (style.css):

css

body {

text-align: center;

font-family: Arial, sans-serif;

}

h1 {

color: #333;

}

.parking-lot {

display: flex;

justify-content: center;

align-items: center;

height: 300px;

}

.parking-space {

width: 100px;

height: 100px;

margin: 10px;

border: 2px solid #333;

display: inline-block;

}

.occupied {

background-color: #FF5733;

}

.vacant {

background-color: #33FF33;

}

JavaScript (script.js):

javascript

// Simulated IoT data for parking spaces

const parkingSpaces = [

{ id: 1, occupied: true },

{ id: 2, occupied: false },

// Add more parking spaces and their occupancy data

];

window.addEventListener("load", () => {

const parkingLot = document.querySelector(".parking-lot");

parkingSpaces.forEach(space => {

const parkingSpace = document.createElement("div");

parkingSpace.classList.add("parking-space", space.occupied ? "occupied" : "vacant");

parkingSpace.innerHTML = `<p>Space ${space.id}</p>`;

parkingLot.appendChild(parkingSpace);

});

});